

CERAMIC CATALYST BODY, CERAMIC SUPPORT AND THEIR
PRODUCTION METHODS

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ABSTRACT OF THE DISCLOSURE

10 The object of the present invention is to improve
the catalyst performance of a ceramic support that
enables a catalyst component to be loaded directly,
prevent thermal degradation and so forth, and enhance
durability.

15 In the present invention, when producing a catalyst
body by loading a catalyst onto a ceramic support having
a large number of pores that enable a catalyst to be
loaded directly onto a base ceramic surface, the mean
particle size of the catalyst particles is made to be 100
20 nm or less, and preferably 50 nm or less. As a result of
reducing particle size, in addition to making it possible
for the catalyst particles to be highly dispersed, the
catalyst particles can be reliably retained in the
microscopic pores, thereby suppressing aggregation and
degradation caused by thermal vibration and so forth.